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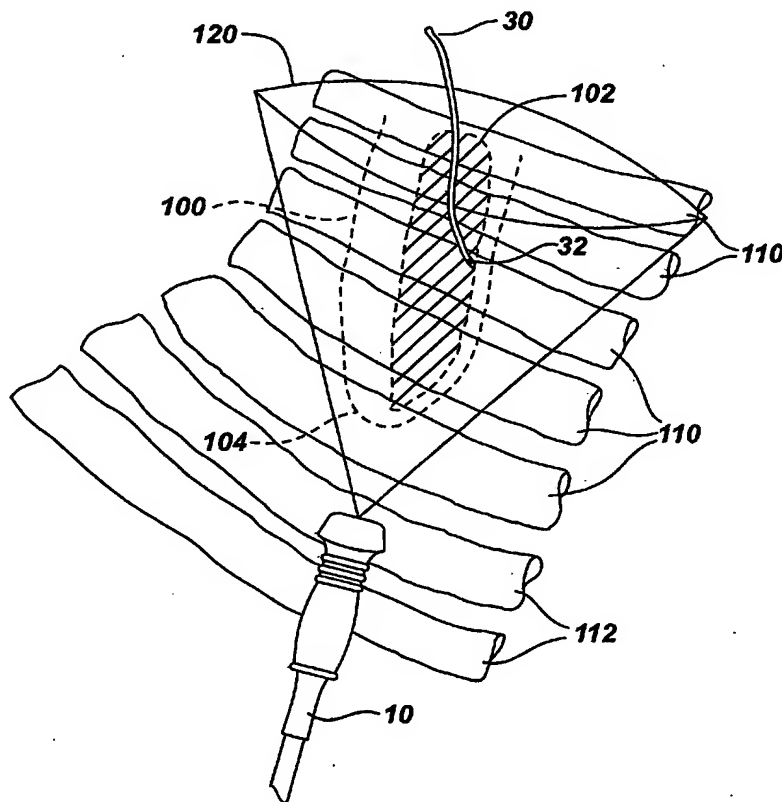
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(54) Title: GUIDANCE OF INVASIVE MEDICAL DEVICES BY WIDE VIEW THREE DIMENSIONAL ULTRASONIC IMAGING



(57) Abstract: A three dimensional ultrasonic diagnostic imaging system is operated to guide or observe the operation of an invasive medical device (30) in three dimensions. The invasive medical device (30) is shown in a detailed ultrasonic image and the balance of the volumetric region (120) in which the device is located is shown in a wide field of view. The detailed and wide fields of view may be displayed separately or overlapping in spatial alignment on an image display (18). The wide field of view may be shown in two or three dimensions. A quantified display may be shown together with the wide and detailed anatomical displays. The detailed view may also be shown in an enlarged or zoomed format.

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